

VII INTERNATIONAL MATHEMATICAL OLYMPIAD

"FORMULA OF UNITY" 2018/19



Formula of Unity

Socio-educational program

Contacts: +7 (981) 966-76-33, info@formulo.org

«Formula of Unity» / «The Third Millennium» Olympiad Mathematics; 2018 — 2019

La Sociedad Andaluza de Educación Matemática Thales - Proyecto Estalmat Andalucía - en colaboración con el Instituto de Matemáticas de la Universidad de Sevilla y la Fundación Euler de San Petersburgo invita a los alumnos/as de IES y colegios de **Andalucía** a participar en la VII **International Mathematical Olympiad “Formula de Unity”**

La olimpiada está dirigida a los escolares de:

5ºGRADO/11años/6PRIMARIA a 11ºGRADO/17 años /2Bach

Consta de dos fases:

- La primera fase (a distancia) tendrá lugar **del 15 de Octubre a 12 de Noviembre de 2018**. Los problemas están publicados en <http://www.formulo.org/en/olymp/2018-math-en/>

Se enviará el formulario de inscripción [online](#) y las soluciones de los problemas propuestos a solv@formulo.org respectivamente y preferiblemente en inglés, ya que la segunda fase será el idioma obligatorio. En el asunto del mensaje de envío de soluciones, indicad el grado por el que se participa.

- La segunda fase (presencial) se llevará a cabo simultáneamente en muchas ciudades de Rusia y en otros países. Nuestras sedes serán en **Sevilla y Granada**. La fecha prevista será a finales de **enero de 2019** o **principio de febrero**.

Para cualquier duda podéis escribir a la dirección de correo electrónico

fdi.olympiad.es@gmail.com



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The Olympiad is organized by [ITMO University, Northern \(Arctic\) Federal University named after M.V. Lomonosov, Southwest State University and Euler Foundation](#).

School students of grades 5–11 from Russia and of [equivalent grades from all over the world](#) are invited to participate.

Participation in the competition is free. All school students can take part in the first round and the winners of the first round are invited to the second round. Winners of the previous Olympiad (with diplomas of any degree) are also invited directly to the second round. Participants with the best results in the second round will be awarded with diplomas and invited (with reduced fee) to the international mathematical camp «Formulo de Integreco».

E-mail: olimp@formulo.org.

Current status: The qualifying round began on October 15 and will last till November 12 (**16 days left**).

Chronology of events

All the news about the Olympiad are posted below from newest to oldest.

Start of the qualifying round

October 15, 2018

Here is the qualifying (remote) round of the competition. You can solve problems until November 12, 2018.

Please remember that your solution of every problem should include not only the right answer but the full reasoning as well.

We will be happy if your friends who like mathematics also participate. However, every assignment should be done individually; otherwise, your submission will not be considered.

Please be careful with preparation of your work, follow the rules and provide all necessary data. You do not need to include problem statements into your submission; please write down your solutions only.

You can write your solutions by hand and scan them or type them using a text editor. Solutions should be written in Esperanto, English, French, Georgian, German, Persian, Romanian, Russian, Spanish, Ukrainian, or Uzbek. Use of other languages should be agreed with the organizers in advance. For anonymous grading, you **should not write your name** on the paper sheets with solutions.

The winners of Olympiad 2017/18 (those with Diplomas I-III) can participate directly in the final round.

Problems

- [Problems in English](#)
- [Problems in Persian](#)
- [Problems in Russian](#)
- [Problems in Spanish](#)
- [Problems in Ukrainian](#)
- [Problems in Uzbek](#)

How to submit solutions

The solutions should be submitted to the Jury **by November 12**. If you have received any instructions from your local organizing committee or a teacher, please follow them.

Otherwise, please type or scan your solutions into one of the following formats: txt, doc, odt, pdf, jpg. The files should not contain your name (even in the file names).

Before submitting your solutions, please **fill in an [online-questionnaire](#)**. Then you can email your solutions to solv@formulo.org (from the address indicated as your email address in the questionnaire). You can attach several files or create a .zip archive. Please **indicate your grade of participation** (R5, ..., R11) in the Subject line.

Alternatively, you can download a [pdf](#) file of the questionnaire and add your answers or create a text file in another common format. Please attach your questionnaire as a separate file to the same message.

Any questions?

You can send your questions to the organizers (but not the solutions of problems) to olimp@formulo.org.

GOOD LUCK!

“Grade” in the FdI Olympiad	Russia, Belarus, Kazakhstan, Romania, Tajikistan	Canada, Germany, Israel, USA	Spain	France	Ecuador
R5	5	6	6° E.P.	CM2	7mo año de EGB
R6	6	7	1° E.S.O.	6	8vo año de EGB
R7	7	8	2° E.S.O.	5	9no año de EGB
R8	8	9	3° E.S.O.	4	10mo año de EGB
R9	9	10	4° E.S.O.	3	1er año de bachillerato
R10	10	11	1° Bachillerato	2	2do año de bachillerato
R11	11	12	2° Bachillerato	1	3er año de bachillerato